

METHOD AND APPARATUS FOR OVERLAYING TWO CDMA SYSTEMS ON THE SAME FREQUENCY BANDWIDTH

Abstract of the Disclosure

In order to align the timing of an overlay base station to the timing of an existing base station, a sync unit is introduced into the system. The sync unit has a first receiver configured to receive a first signal, the first signal having a first CDMA channelization. The first receiver is configured to produce an indication of a timing of the first signal. The sync unit also has a second receiver configured to receive a second signal, the second signal having a second CDMA channelization. The second receiver is configured to produce an indication of a timing of the second signal. The sync unit also has a time error detection unit configured to compare the timing of the first signal and the timing of the second signal to determine a relative timing offset thereof.